

**WASHINGTON STATE DEPARTMENT OF ECOLOGY
CENTRAL REGIONAL OFFICE
15 W YAKIMA, SUITE 200
YAKIMA, WASHINGTON 98902**

IN THE MATTER OF THE COMPLIANCE BY)	AIR OPERATING PERMIT
WASTE MANAGEMENT DISPOSAL SERVICES OF WASHINGTON, INC.)	No. 04AQ-C007 First Revision
GREATER WENATCHEE REGIONAL LANDFILL AND RECYCLING CENTER)	
with Section 70.94.161 RCW, Operating Permits for)	
Air Contaminant Sources, and the applicable rules and)	FINAL PERMIT
regulations of the Department of Ecology)	

To: Ted Woodard, District Manager
Greater Wenatchee Regional Landfill and Recycling Center
PO Box 2963
Wenatchee, Washington 98807

Issuance Date:	<u>April 13, 2006</u>
Effective Date:	<u>April 13, 2006</u>
Expiration Date:	<u>April 2, 2009</u>

Responsible Official: Ted Woodard, District Manager

Source Location: 191 South Webb Road, East Wenatchee, Washington 98802

Legal Authority: This AIR OPERATING PERMIT is issued under the authority and provisions of the Federal Clean Air Act, (42 U.S.C. 7401, et seq.), the Washington Clean Air Act, Chapter 70.94 Revised Code of Washington and the Operating Permit Regulation, Chapter 173-401 Washington Administrative Code.

Hereinafter, Waste Management Disposal Services of Washington Incorporated is called the permittee. The permittee is required to comply with the provisions contained within this permit.

The original permit was dated at Yakima, Washington on the 8th day of March, 2004. This First Revision, to incorporate a significant modification, is dated at Yakima, Washington on the 13th day of April, 2006.

REVIEWED BY: _____
Lynnette A. Haller, PE
Central Regional Air Quality Section
Department of Ecology
State of Washington

APPROVED BY: _____
Susan M. Billings
Section Manager
Central Regional Air Quality Section
Department of Ecology
State of Washington

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LIST OF ABBREVIATIONS

%	percent
BTU	British thermal unit
CFC	Chlorofluorocarbons
CFR	Code of Federal Regulations
CH ₄	methane
CO	Carbon Monoxide
CO ₂	carbon dioxide
Ecology	Washington State Department of Ecology
EPA	United States Environmental Protection Agency
°F	degrees Fahrenheit
FCAA	Federal Clean Air Act
FDCP	Fugitive Dust Control Plan
Federal	Federally enforceable requirement
H ₂ S	hydrogen sulfide
HCl	hydrogen chloride
ID	identification
lb/MMBtu	pounds per million British thermal units
LFG	landfill gas
Mg/yr	Megagrams per year
MVAC	Motor Vehicle Air Conditioner
NE	Northeast
NESHAP	National Emission Standard for Hazardous Air Pollutants
NMOC	Non-Methane Organic Compound
NOC	Notice of Construction
NO _x	Oxides of Nitrogen
NSPS	New Source Performance Standard
O ₂	oxygen
O&M	Operations and Maintenance
PCC	point classification code
PM	Particulate Matter
PM _{2.5}	Particulate Matter with aerodynamic diameter ≤ 2.5 micrometers
PM ₁₀	Particulate Matter with aerodynamic diameter ≤ 10 micrometers
ppm _v	Parts per million by volume
PSD	Prevention of Significant Deterioration
RACT	Reasonably Available Control Technology
RCW	Revised Code of Washington
RM	reference method
S	State Only Enforceable Requirement
SCC	standard classification code
scf	standard cubic feet
scfm	standard cubic feet per minute
SIC	source industrial classification
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide
SO _x	oxides of sulfur
TAP	toxic air pollutant
TSP	Total Suspended Particulate
U.S. EPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
WAC	Washington Administrative Code
wk	week
yr	year

PERMIT CONDITIONS

1.0 PERMIT PROVISOS

- 1.1 Permit shield.
 - 1.1.1 Compliance with the conditions of this permit shall be deemed compliance with those applicable requirements that are specifically included in and identified in the permit as of the date of permit issuance. [WAC 173-401-640(1), 9/16/02]
 - 1.1.2 The permit shield shall not apply to any insignificant emissions unit or activity designated under WAC 173-401-530. [WAC 173-401-530, 9/16/02]
- 1.2 Severability. If any provision of this permit is held to be invalid, all unaffected provisions of the permit shall remain in effect and be enforceable. [WAC 173-401-620(2)(h), 9/16/02; RCW 70.94.905, 2003 (S)]
- 1.3 Property rights. This permit does not convey any property rights of any sort, or any exclusive privilege. [WAC 173-401-620(2)(d), 9/16/02]
- 1.4 Transfer of ownership or operation. A change in ownership or operational control of this source is treated as an administrative permit amendment if no other change in this permit is necessary and provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to Ecology. [WAC 173-401-720(1)(d), 9/16/02]
- 1.5 Emissions trading. No permit revision shall be required, under any approved economic incentives, marketable permits, emission trading, and other similar programs or processes for changes that are provided for in this permit. [WAC 173-401-620(2)(g), 9/16/02]
- 1.6 Enforceability. All terms and conditions of the permit are enforceable by the EPA and citizens unless specifically designated as state enforceable. [WAC 173-401-625, 9/16/02]
- 1.7 General Obligation.

Exclusions. Nothing in this permit shall alter or affect the following:

 - 1.7.1 The provisions of section 303 of the FCAA (emergency orders), including the authority of the administrator under that section;
 - 1.7.2 The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
 - 1.7.3 The applicable requirements of the acid rain program, consistent with section 408(a) of the FCAA;
 - 1.7.4 The ability of EPA to obtain information from a source pursuant to section 114 of the FCAA; or
 - 1.7.5 The ability of Ecology to establish or revise requirements for the use of RACT as provided in Chapter 252, Laws of 1993.

[WAC 173-401-640(4), 9/16/02; NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.11.8.]
- 1.8 Reasonably Available Control Technology. Emission standards and other requirements contained in rules or regulatory orders in effect at the time of operating permit issuance or renewal shall be considered RACT for purpose of permit issuance or renewal. This does not preclude RACT determinations under Section 8, Chapter 252, Laws of 1993, which shall be incorporated into an operating permit as provided in WAC 173-401-730. [WAC 173-401-605(3)l, 9/16/02; RCW 70.94.154, 2003 (S)]
- 1.9 Need to halt or reduce activity not a defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [WAC 173-401-620(2)(b), 9/16/02]
- 1.10 Permit actions. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [WAC 173-401-620(2)(c), 9/16/02]
- 1.11 Permit continuation. This permit and all terms and conditions contained therein, including any permit shield provided under WAC 173-401-640, shall not expire until the renewal permit has been issued or denied if a timely and complete renewal application has been submitted. An application shield granted pursuant to WAC 173-401-705(2) shall remain

in effect until the renewal permit has been issued or denied if a timely and complete renewal application has been submitted. [WAC 173-401-620(2)(j), 9/16/02]

- 1.12 Permit appeals. This permit or any conditions in it may be appealed only by filing an appeal with the:

Pollution Control Hearings Board
P.O. Box 40903
Olympia, Washington 98504-0903

and concurrently serving it on the:

Department of Ecology
P.O. Box 47600
Olympia, Washington 98504-7600

and the:

Department of Ecology
Central Regional Air Quality Section
15 West Yakima Avenue, Suite 200
Yakima, Washington 98902

pursuant to RCW 43.21B.310. This provision for appeal in this section is separate from and additional to any federal rights to petition and review under section 505(b) of the FCAA. [WAC 173-401-620(2)(i), 9/16/02; RCW 70.94.221, 2003 (S)]

2.0 PERMIT ADMINISTRATION

- 2.1 Duty to comply. The permittee must comply with all conditions of this WAC 173-401 permit. Any permit noncompliance constitutes a violation of Chapter 70.94 RCW and, for federally enforceable provisions, a violation of the FCAA. Such violations are grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. [WAC 173-401-620(2)(a), 9/16/02; NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.11.7]

- 2.2 Inspection and entry.

Upon presentation of credentials and other documents as may be required by law, the permittee shall allow Ecology, or an authorized representative to perform the following:

- 2.2.1 Enter upon the permittee's premises where a Chapter 173-401 WAC source is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit;

- 2.2.2 Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

- 2.2.3 Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and

- 2.2.4 As authorized by WAC 173-400-105 and the FCAA, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.

[WAC 173-401-630(2), 9/16/02; RCW 70.94.200, 2003 (S); NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.11.3]

- 2.2.4.1 Ecology may require the permittee to conduct stack and/or ambient air monitoring and report the results to Ecology. [WAC 173-400-105(2), 8/20/93, 7/11/02 (S)]

- 2.2.4.2 Ecology may conduct or require that a test be conducted using approved EPA methods from 40 CFR 60 Appendix A or approved procedures contained in "Source Test Manual - Procedures for Compliance Testing," Ecology, 7/12/90. The permittee may be required to provide platform and sampling ports. Ecology shall be allowed to obtain a sample from any emissions unit. The permittee shall be given the opportunity to observe the sampling and to obtain a sample at the same time. [WAC 173-400-105(4), 8/20/93, 7/11/02 (S)]

- 2.2.5 Ecology may conduct source tests and require access to records, books, files, and other information specific to the control, recovery, or release of pollutants regulated under 40 CFR Part 61. [WAC 173-400-075(2), 7/11/02 (S)]

- 2.2.6 No person shall obstruct, hamper, or interfere with any such authorized representative while in the process of carrying out his official duties. [RCW 70.94.200, 2003 (S)]

- 2.3 Permit fees. The permittee shall pay fees as a condition of this permit in accordance with Ecology's fee schedule. Failure to pay fees in a timely fashion shall subject the permittee to civil and criminal penalties as prescribed in chapter 70.94 RCW. Ecology may revoke this permit if the permit fees are not paid per WAC 173-401-930(3). [WAC 173-401-620(2)(f), 9/16/02; RCW 70.94.162(1), 2003; WAC 173-401-930(3), 9/16/02]

- 2.4 Duty to provide information. The permittee shall furnish to Ecology, within a reasonable time, any information that Ecology may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to Ecology copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality. Permitting authorities shall maintain confidentiality of such information in accordance with RCW 70.94.205. [WAC 173-401-620(2)(e), 9/16/02]
- 2.5 Recordkeeping.
- 2.5.1 Permittee shall keep records of required monitoring information that includes, where applicable, the following:
- 2.5.1.1 The date, place, and time of sampling or measurements;
- 2.5.1.2 The date(s) analyses were performed;
- 2.5.1.3 The company or entity that performed the analyses;
- 2.5.1.4 The analytical techniques or methods used;
- 2.5.1.5 The results of such analyses; and
- 2.5.1.6 The operating conditions as existing at the time of sampling or measurement. [WAC 173-401-615(2)(a), 9/16/02]
- 2.5.2 Permittee shall keep records describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes. [WAC 173-401-615(2)(b), 9/16/02]
- 2.5.3 Permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings from continuous monitoring instrumentation, and copies of all reports required by this permit. [WAC 173-401-615(2)(c), 9/16/02; NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.8.2]
- 2.6 Reporting.
- 2.6.1 Permittee shall submit reports of any required monitoring (i.e., Monitoring Recordkeeping and Reporting column of section 5) at least once every six (6) months. At a minimum, reports for April 1st through September 30th and October 1st through March 31st, shall be due **November 15th** and **May 15th**, respectively. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with WAC 173-401-520. [WAC 173-401-615(3)(a), 9/16/02]
- 2.6.2 Permittee shall report deviations from permit requirements, including those attributable to upset conditions, the probable cause of such deviations, and any corrective actions or preventative measures taken. Such deviations shall be reported '**promptly**'. For deviations which represent a potential threat to human health or safety, 'promptly' means as soon as possible, but in no case later than twelve (12) hours after the deviation is discovered. The source shall maintain a contemporaneous record of all deviations. Other deviations shall be reported no later than **thirty (30) days** after the end of the month during which the deviation is discovered. Copies of reports shall be sent to Ecology at:
- Section Manager
Central Regional Air Quality Section
Department of Ecology
15 West Yakima Avenue, Suite 200
Yakima, Washington 98902
- [WAC 173-401-615(3)(b), 9/16/02]
- 2.7 Excess emissions.
- 2.7.1 Excess emissions due to emergency. The permittee may seek to establish that noncompliance with a technology-based emission limitation under this permit was due to an emergency. To do so, the permittee shall demonstrate the affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that:
- 2.7.1.1 An emergency occurred and that the permittee can identify the cause(s) of the emergency;
- 2.7.1.2 The permitted source was at the time being properly operated;
- 2.7.1.3 During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit; and

- 2.7.1.4 The permittee submitted notice of the emergency to Ecology within **two (2) working days** of the time when emission limitations were exceeded due to the emergency or shorter periods of time specified in an applicable requirement. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
[WAC 173-401-645, 9/16/02]
- 2.7.2 Unavoidable excess emissions. Excess emissions determined to be unavoidable under the procedures and criteria in WAC 173-400-107 shall be excused and not subject to penalty.
- 2.7.2.1 The permittee shall have the burden of proving to Ecology that excess emissions were unavoidable. This demonstration shall be a condition to obtaining relief under 2.7.2.2, 2.7.2.3, or 2.7.2.4.
- 2.7.2.2 Excess emission due to startup or shutdown conditions shall be considered unavoidable provided the source reports as required under WAC 173-400-107(3) and adequately demonstrates that the excess emissions could not have been prevented through careful planning and design and if a bypass of control equipment occurs, that such bypass is necessary to prevent loss of life, personal injury, or severe property damage.
- 2.7.2.3 Excess emission due to scheduled maintenance shall be considered unavoidable if the source reports as required under WAC 173-400-107(3) and adequately demonstrates that the excess emissions could not have been avoided through reasonable design, better scheduling for maintenance or through better operation and maintenance practices.
- 2.7.2.4 Excess emissions due to upsets shall be considered unavoidable provided the source reports as required under WAC 173-400-107(3) and adequately demonstrates that:
- 2.7.2.4.1 The event was not caused by poor or inadequate design, operation, maintenance, or any other reasonably preventable condition;
- 2.7.2.4.2 The event was not of a recurring pattern indicative of inadequate design, operation, or maintenance; and
- 2.7.2.4.3 The operator took immediate and appropriate corrective action in a manner consistent with good air pollution control practice for minimizing emissions during the event, taking into account the total emissions impact of the corrective action, including slowing or shutting down the emission unit as necessary to minimize emissions, when the operator knew or should have known that an emission standard or permit condition was being exceeded.
- 2.7.2.5 Required reporting. Excess emissions which represent a potential threat to human health or safety or which the owner or operator of the source believes to be unavoidable shall be reported to Ecology or the authority **as soon as possible**. Other excess emissions shall be reported within **thirty (30) days** after the end of the month during which the event occurred or as part of the routine emission monitoring reports. Upon request by Ecology, the permittee shall submit a full written report including the known causes, the corrective actions taken, and the preventative measures to be taken to minimize or eliminate the chance of recurrence.
[WAC 173-400-107(3), 8/20/93, 7/11/02 (S)]
- 2.8 Submittals.
- 2.8.1 Reports, test data, monitoring data, and notifications, required by this permit, and requests for permit renewal shall be submitted to Ecology at:
Section Manager
Central Regional Air Quality Section
Department of Ecology
15 West Yakima Avenue, Suite 200
Yakima, Washington 98902
[WAC 173-401-520, 9/16/02]
- 2.8.2 Any application form, report, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. [WAC 173-401-520, 9/16/02]
- 2.8.3 Duty to supplement or correct application. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information. The permittee shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit. [WAC 173-401-500(6), 9/16/02]

- 2.9 Emission inventory. Permittee shall submit an inventory of emissions from the source for each calendar year. The inventory shall include segmented stack and fugitive emissions of TSP, PM₁₀, PM_{2.5}, SO_x, CO, NO_x, VOC, lead, and ammonia. The inventory shall be submitted for each calendar year, no later than **April 15th** of the following year.

Additionally, the inventory for calendar years 2003, 2005, and 2008, shall specify inventory year, inventory start date, inventory end date, inventory type, state FIPS code, county FIPS code, facility ID code, point ID code, process ID code, stack ID code, site name, physical address, SCC or PCC, fuel heat content (annual average), fuel ash content (annual average), fuel sulfur content (annual average), pollutant code, annual throughput, daily throughput, work weekday emissions, annual emissions, emission factor, winter throughput (%), spring throughput (%), summer throughput (%), fall throughput (%), hr/day in operation, start time (hour), day/wk in operation, wk/yr in operation, stack latitude, stack longitude, stack height, stack diameter, exit gas temperature, exit gas velocity, exit gas flow rate, SIC/NAICS, design capacity, maximum nameplate capacity, primary control efficiency (%), secondary control efficiency (%), control device type, and rule effectiveness (%), as defined in 40 Code of Federal Regulations Part 51 Subpart A Appendix A, 7/1/03.

The source shall maintain records of information necessary to substantiate any reported emissions, consistent with the averaging times for the applicable standards. Emission inventories shall be sent to Ecology at:

Section Manager
Central Regional Air Quality Section
Department of Ecology
15 West Yakima Avenue, Suite 200
Yakima, Washington 98902

[WAC 173-400-105(1), 8/20/93, 7/11/02 (S)]

- 2.10 Permit renewal and expiration. This permit is issued for a fixed term of five (5) years. The permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted. A renewal application is due **October 2, 2007**. A complete renewal application is due no later than **April 2, 2008**. Upon receipt of a complete and timely application for renewal, this source may continue to operate subject to final action by Ecology on the renewal application. This protection shall cease to apply if, subsequent to a completeness determination, the applicant fails to submit by the deadline specified in writing by Ecology, any additional information identified as being needed to process the application. The application for renewal shall include the current permit number, the appropriate renewal fee, description of permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term and shall provide a compliance schedule therefor. The application shall be sent to:

Section Manager
Central Regional Air Quality Section
Department of Ecology
15 West Yakima Avenue, Suite 200
Yakima, Washington 98902

[WAC 173-401-610, 9/16/02; WAC 173-401-710, 9/16/02]

- 2.11 Off-permit changes.

2.11.1 The source shall be allowed to make changes not specifically addressed or prohibited by the permit terms and conditions without requiring a permit revision, provided that the proposed changes do not weaken the enforceability of the existing permit conditions. Any change that is a Title I modification or is a change subject to the acid rain requirements under Title IV of the FCAA must be submitted as a permit revision.

2.11.2 Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition.

2.11.3 Sources must provide contemporaneous written notice to Ecology and EPA of each such change. Notification shall be submitted to Ecology at:

Section Manager
Central Regional Air Quality Section
Department of Ecology
15 West Yakima Avenue, Suite 200
Yakima, Washington 98902

and EPA Region 10 at:

U.S. EPA Region 10 Administrator
1200 Sixth Avenue
Seattle, Washington 98101

- Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.
- 2.11.4 The change shall not qualify for the permit shield under WAC 173-401-640.
- 2.11.5 The permittee shall keep a record describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.
- 2.11.6 A source making a change under this section shall comply with applicable preconstruction review requirements established pursuant to RCW 70.94.152.
[WAC 173-401-724, 9/16/02]
- 2.12 Changes not requiring permit revisions.
- 2.12.1 Permittee is authorized to make the changes described in this section without a permit revision, providing the following conditions are met:
- 2.12.1.1 The proposed changes are not Title I modifications;
- 2.12.1.2 The proposed changes do not result in emissions which exceed those allowable under the permit, whether expressed as a rate of emissions, or in total emissions;
- 2.12.1.3 The proposed changes do not alter permit terms that are necessary to enforce limitations on emissions from units covered by the permit; and
- 2.12.1.4 The source provides the administrator and Ecology with written notification at least seven (7) days prior to making the proposed changes except that written notification of a change made in response to an emergency shall be provided as soon as possible after the event.
Notification shall be submitted to Ecology at:
Section Manager
Central Regional Air Quality Section
Department of Ecology
15 West Yakima Avenue, Suite 200
Yakima, Washington 98902
and EPA Region 10 at:
U.S. EPA Region 10 Administrator
1200 Sixth Avenue
Seattle, Washington 98101
- The permittee and Ecology shall attach each notice to their copy of the relevant permit.
- 2.12.2 Pursuant to conditions in 2.12.1, a Chapter 173-401 WAC source is authorized to make section 502(b)(10) changes without a permit revision.
- 2.12.2.1 For each such change, the written notification required under 2.12.1.4 shall include a brief description of the change within the permitted source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.
- 2.12.2.2 The permit shield authorized under WAC 173-401-640 shall not apply to any change made pursuant to this paragraph.
- 2.12.3 Pursuant to the conditions in 2.12.1, a Chapter 173-401 WAC source is authorized to trade increases and decreases in emissions in the permitted source, where the Washington SIP provides for such emissions trades without requiring a permit revision. This provision is available in those cases where the permit does not already provide for such emissions trading.
- 2.12.3.2 Written notification required under 2.12.1.4 shall include such information as may be required by the provision in the Washington SIP authorizing the emissions trade, including at a minimum, when the proposed change will occur, a description of each such change, any change in emissions, the permit requirements with which the source will comply using the emissions trading provisions of the Washington SIP, and the pollutants emitted subject to the emissions trade. The notice shall also refer to the provisions with which the source will comply in the applicable implementation plan and that provide for the emissions trade.
- 2.12.3.2 The permit shield described in WAC 173-401-640 shall not extend to any change made under this paragraph. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the applicable SIP authorizing the emissions trade.
- 2.12.4 Upon the request of the permittee, Ecology shall issue permits that contain terms and conditions, including all terms required under WAC 173-401-600 through 173-401-630 to determine compliance, allowing for the trading of emissions increases and decreases in the WAC 173-401 source solely for the purpose of complying with a federally enforceable emissions cap that is established in the permit independent of

- otherwise applicable requirements. The permittee shall include in its application proposed replicable procedures and permit terms that ensure the emissions trades are quantifiable and enforceable. The emissions trading provisions shall not be applied to any emissions units for which emissions are not quantifiable or for which there are no replicable procedures to enforce the emissions trades.
- 2.12.4.1 Under this paragraph, the written notification required under 2.12.1.4, shall state when the change will occur and shall describe the changes in emissions that will result and how these increases and decreases in emissions will comply with the terms and conditions of the permit.
- 2.12.4.2 The permit shield described in WAC 173-401-640 shall extend to terms and conditions that allow such increases and decreases in emissions.
- 2.12.5 A source making a change under this section shall comply with applicable preconstruction review requirements established pursuant to 70.94.152 RCW.
[WAC 173-401-722, 9/16/02]
- 2.13 Reopening for cause.
- 2.13.1 Permits shall be reopened and revised under any of the following circumstances:
- 2.13.1.1 Additional applicable requirements become applicable to a Chapter 173-401 WAC source with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirements. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to WAC 173-401-620(2)(j);
- 2.13.1.2 Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit;
- 2.13.1.3 Ecology or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit; or
- 2.13.1.4 The administrator or Ecology determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
- 2.13.2 Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable.
- 2.13.3 Reopenings under this section shall not be initiated before a notice of such intent is provided to the Chapter 173-401 WAC source by Ecology at least thirty (30) days in advance of the date that the permit is to be reopened, except that Ecology may provide a shorter time period in the case of an emergency.
[WAC 173-401-730, 9/16/02]
- 2.14 New source review. The permittee shall not construct new sources or make modifications required to be reviewed under WAC 173-400-110, WAC 173-400-113, WAC 173-400-141, or Chapter 173-460 WAC before the permittee obtains written final approval from Ecology in accordance with those regulations, pays the appropriate fees required by WAC 173-400-116, and pays the cost of public notice described in WAC 173-400-171. [WAC 173-400-110, 8/20/93, 7/11/02 (S); WAC 173-400-113, 8/20/93, 7/11/02 (S); WAC 173-400-116, 8/20/93, 7/11/02 (S); WAC 173-400-141, 8/20/93, 7/11/02 (S); WAC 173-400-171, 8/20/93, 7/11/02 (S); C 173-460-040, 7/21/98 (S); RCW 70.94.152, 2003 (S)]
- 2.15 Replacement or substantial alteration of emission control technology. Prior to replacing or substantially altering emission control technology subject to review under WAC 173-400-114, the permittee shall file for and obtain approval from Ecology according to that regulation. The permittee shall pay the appropriate fees required by WAC 173-400-045(4) prior to commencing construction. [WAC 173-400-045(4), 7/11/02 (S); WAC 173-400-114, 7/11/02 (S); RCW 70.94.153, 2003 (S)]
- 2.16 Demolition and renovation (asbestos). Prior to, during, and after conducting any activity to which 40 CFR 60, Subpart M - National Emission Standard for Asbestos, applies, the permittee shall comply with the requirements of that rule. Such activities include demolition, renovation, asbestos stripping or removal, installing or reinstalling insulation, manufacturing or fabricating certain items, spraying of certain materials, constructing roadways of certain materials, or disposal. [40 CFR 61, Subpart M, 7/1/02; WAC 173-400-075(1), 7/11/02 (S)]
- 2.17 Federal CFC requirements (Title VI).

- 2.17.1 The permittee shall comply with the following standards for recycling and emissions reductions pursuant to 40 CFR 82, Subpart F, except as provided for MVACs in Subpart B:
 - 2.17.1.1 Persons conducting maintenance, service, repair, or disposing must follow the prohibitions pursuant to 40 CFR 82.154.
 - 2.17.1.2 Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156.
 - 2.17.1.3 Equipment used during the maintenance, service, repair or disposal must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
 - 2.17.1.4 Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - 2.17.1.5 Persons conducting maintenance, service, repair, or disposing must certify to the Administrator that such person has acquired certified recovery or recycling equipment pursuant to 40 CFR 82.162.
 - 2.17.1.6 Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166.
 - 2.17.1.7 Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - 2.17.1.8 Owners/operators of appliances normally containing 50 or more pounds of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
- 2.17.2 If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR 82, Subpart A - Production and Consumption Controls.
- 2.17.3 If the permittee performs a service on monitor (fleet) vehicles and when this service involves ozone depleting substance refrigerant in the MVAC, the permittee is subject to all applicable requirements as specified in 40 CFR 82, Subpart B - Servicing of Motor Vehicle Air Conditioners.
- 2.17.4 The permittee shall be allowed to switch from any ozone depleting substance to any alternative that is listed in the Significant New Alternative Program promulgated pursuant to 40 CFR 82, Subpart G - Significant New Alternative Policy Program.
[40 CFR 82, 7/1/02; RCW 70.94.970, 2003 (S); RCW 70.94.980, 2003 (S)]

3.0 OPERATIONAL FLEXIBILITY [WAC 173-401-650, 9/16/02]

In the event that an emission unit is not operated during a period equal to or greater than the monitoring period designated, no monitoring is required. Recordkeeping and reporting must note the reason why and length of time that the emission unit was not operated.

4.0 COMPLIANCE PLAN [WAC 173-401-630(3), 9/16/02; WAC 173-401-510(2)(h), 9/16/02]

- 4.1 The permittee shall continue to comply with applicable requirements with which it is currently in compliance.
- 4.2 The permittee shall meet applicable requirements on a timely basis that become effective during the permit term.
- 4.3 Compliance certification.
 - 4.4.1 The permittee shall submit a certification of compliance with permit terms and conditions (i.e., sections 2, 3, 4, and 5) at least once per year. At a minimum a certification of compliance is due, for each April 1st through March 31, no later than the following **May 15th**. Ecology may require that compliance certifications be submitted more frequently for those emission units not in compliance with permit terms and conditions, or where more frequent certification is specified in the applicable requirement.
 - 4.4.2 The compliance certification shall include the following:
 - 4.4.2.1 The identification of each term or condition of the permit that is the basis of the certification;
 - 4.4.2.2 The compliance status;
 - 4.4.2.3 Whether compliance was continuous or intermittent; and
 - 4.4.2.4 The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with WAC 173-401-615(3)(a).
 - 4.4.3 Compliance certification shall be submitted to Ecology at:
Section Manager
Regional Air Quality Section
Department of Ecology
15 W Yakima Ave, Ste 200
Yakima, Washington 98902
and EPA Region 10 at:
U.S. EPA Region 10 Administrator

1200 Sixth Avenue
Seattle, Washington 98101

[WAC 173-401-630(5), 9/16/02]

- 4.4.4 The permittee need not certify compliance for insignificant emission units or activities. [WAC 173-401-530(2)(d), 9/16/02]
- 4.4.5 For the purpose of submitting compliance certifications or establishing violations, the permittee, shall not preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed. [40 CFR 60.11(g), 7/1/03]

5.0 APPLICABLE REQUIREMENTS

Until this permit expires, is modified or revoked, this permittee is authorized to operate processes 1 through 3. These processes are subject to the requirements shown in Tables 5.1 through 5.3, and to the other terms and conditions specified in this permit.

- 5.1 Source Wide. The following requirements apply SOURCE WIDE; including, but not limited to, the solid waste landfill, unless an alternate requirement is specifically stated for a particular emissions unit. Since monitoring, recordkeeping, and reporting has not specifically been required by Ecology for insignificant emission units, per WAC 173-400-105(1st ¶), there are no air operating permit monitoring, recordkeeping, and reporting requirements for the insignificant emission units under this Source Wide section, as allowed per WAC 173-401-530(2)(c).

Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.1	RCW 70.94.040, 2003	S	Unlawful for any person to cause air pollution or permit it to be caused in violation of RCW 70.94, or of any ordinance, resolution, rule or regulation validly promulgated thereunder.	None specified.	No additional monitoring required.
5.1.2	WAC 173-400-040(1st ¶), 8/20/93 <hr/> WAC 173-400-040(1st ¶), 7/11/02; RCW 70.94.154, 2003	F <hr/> S	All emissions units are required to use RACT.	None specified.	No additional monitoring required. NOTE: Emission standards and other requirements contained in rules or regulatory orders in effect at the time of operating permit issuance or renewal shall be considered RACT for purposes of permit issuance or renewal. RACT determinations under Section 8, Chapter 252, Laws of 1993, shall be incorporated into this permit as provided in WAC 173-401-730.

Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.3	<p>WAC 173-400-040(1)(a), (b), 8/20/93</p> <hr/> <p>WAC 173-400-040(1)(a), (b), 7/11/02</p>	<p>F</p> <hr/> <p>S</p>	Opacity shall not exceed 20% for more than three (3) minutes, in any one (1) hour.	Ecology Method 9A, "Source Test Manual - Procedures for Compliance Testing," State of Washington Department of Ecology, 7/12/90	<p>1) The permittee shall conduct monthly visible emissions surveys of all emission units during daylight hours as follows: a) the survey shall be conducted from a location with a clear view of the emission unit and where the sun is not directly in the observer's eyes. The survey location shall be at least 15 feet but not more than 0.25 miles from the source; b) survey shall be conducted during operation; c) the observer will be educated in the general procedures for determining the presence of visible emissions (i.e. effects on the visibility of emissions caused by background contrast, position of the sun and amount of ambient lighting, and observer position relative to source and sun); d) the survey shall consist of a minimum 15-second visual observation of each emission unit to identify those emission units which exhibit visible emissions; e) in addition to the records required under condition 2.15, the observer shall record the wind direction, sky condition, sun location with respect to the source and the survey location, and the time duration of the survey.</p> <p>2) The permittee shall conduct Ecology Method 9A testing of an emission unit when visible emissions, other than uncombined water, are observed during a survey or are otherwise observed by the permittee. Testing shall be conducted as follows: a) testing shall be initiated as soon as possible, but not later than 24 hours after the requirement to conduct such testing is triggered; b) all testing shall be performed during periods when the subject emissions unit is operating; c) testing shall consist of certified opacity readings at 15-second intervals over a minimum period of six consecutive minutes (24 consecutive readings) unless any two readings are greater than 20% opacity in which case the testing period shall be 60 consecutive minutes or until a violation is documented. If a violation is documented, appropriate and timely action shall be taken (as soon as possible, but within 24 hours) to identify and correct the problem causing the opacity. The required recordkeeping shall include the name of the person recording the information, the name(s) of the person(s) taking the corrective action, and the nature, time, date, and effectiveness of any corrective action taken in response to a violation. [WAC 173-401-615(1), 9/16/02]</p>

Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.4	WAC 173-400-040(2), 7/11/02	S	No person shall cause or permit the emission of PM from any source to be deposited beyond the property under direct control of the owner(s) or operator(s) of the source in sufficient quantity to interfere unreasonably with the use and enjoyment of the property upon which the material is deposited.	None specified.	Adhere to "Monitoring, Recordkeeping, and Reporting to be Performed by Permittee," for the Conditions of this Permit and the following "complaint response scenario." The permittee shall keep a written record of complaints received by the permittee or forwarded to the permittee by Ecology. Any complaints shall be promptly assessed for validity. Ecology shall be notified within three (3) days of receipt of any valid complaints. It will be a violation of the conditions of the permit if necessary corrective action is not taken or commenced by the permittee and the permittee has not responded to the complaint within three (3) working days of receipt of the complaint by the permittee. The recordkeeping requirements for the source shall include a record of all complaints, the permittee's action to investigate the validity of the complaint and what, if any, corrective action was taken in response to the complaint. [WAC 173-401-615(1), 9/16/02]
5.1.5	WAC 173-400-040(3)(a), 8/20/93 <hr/> WAC 173-400-040(3)(a), 7/11/02	F <hr/> S	Reasonable precautions shall be taken to control fugitive emissions.	None specified.	Adhere to "Monitoring, Recordkeeping, and Reporting to be Performed by Permittee," for the Conditions of this Permit and the following "complaint response scenario." The permittee shall keep a written record of complaints received by the permittee or forwarded to the permittee by Ecology. Any complaints shall be promptly assessed for validity. Ecology shall be notified within three (3) days of receipt of any valid complaints. It will be a violation of the conditions of the permit if necessary corrective action is not taken or commenced by the permittee and the permittee has not responded to the complaint within three (3) working days of receipt of the complaint by the permittee. The recordkeeping requirements for the source shall include a record of all complaints, the permittee's action to investigate the validity of the complaint and what, if any, corrective action was taken in response to the complaint. [WAC 173-401-615(1), 9/16/02]

Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.6	WAC 173-400-040(4), 7/11/02	S	Odors which may unreasonably interfere with use and enjoyment of property are prohibited unless recognized good practice and procedures are employed to reduce odors to a reasonable minimum.	None specified.	Adhere to "Monitoring, Recordkeeping, and Reporting to be Performed by Permittee," for the Conditions of this Permit and the following "complaint response scenario." The permittee shall keep a written record of complaints received by the permittee or forwarded to the permittee by Ecology. Any complaints shall be promptly assessed for validity. Ecology shall be notified within three (3) days of receipt of any valid complaints. It will be a violation of the conditions of the permit if necessary corrective action is not taken or commenced by the permittee and the permittee has not responded to the complaint within three (3) working days of receipt of the complaint by the permittee. The recordkeeping requirements for the source shall include a record of all complaints, the permittee's action to investigate the validity of the complaint and what, if any, corrective action was taken in response to the complaint. [WAC 173-401-615(1), 9/16/02]
5.1.7	WAC 173-400-040(5), 8/20/93 WAC 173-400-040(5), 7/11/02	F S	No emissions detrimental to persons or property.	None specified.	Adhere to "Monitoring, Recordkeeping, and Reporting to be Performed by Permittee," for the Conditions of this Permit and the following "complaint response scenario." The permittee shall keep a written record of complaints received by the permittee or forwarded to the permittee by Ecology. Any complaints shall be promptly assessed for validity. Ecology shall be notified within three (3) days of receipt of any valid complaints. It will be a violation of the conditions of the permit if necessary corrective action is not taken or commenced by the permittee and the permittee has not responded to the complaint within three (3) working days of receipt of the complaint by the permittee. The recordkeeping requirements for the source shall include a record of all complaints, the permittee's action to investigate the validity of the complaint and what, if any, corrective action was taken in response to the complaint. [WAC 173-401-615(1), 9/16/02]

Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.8	WAC 173-400-040(7), 8/20/93	F	No person shall cause or permit the installation or use of any means which conceals or masks an emission of an air contaminant.	None specified.	No additional monitoring required.
	WAC 173-400-040(7), 7/11/02	S			
5.1.9	WAC 173-400-040(8)(a), 8/20/93	F	Reasonable precautions shall be taken to prevent fugitive dust from becoming airborne.	None specified.	<p>Adhere to "Monitoring, Recordkeeping, and Reporting to be Performed by Permittee," for the Conditions of this Permit and the following "complaint response scenario."</p> <p>The permittee shall keep a written record of complaints received by the permittee or forwarded to the permittee by Ecology. Any complaints shall be promptly assessed for validity. Ecology shall be notified within three (3) days of receipt of any valid complaints. It will be a violation of the conditions of the permit if necessary corrective action is not taken or commenced by the permittee and the permittee has not responded to the complaint within three (3) working days of receipt of the complaint by the permittee. The recordkeeping requirements for the source shall include a record of all complaints, the permittee's action to investigate the validity of the complaint and what, if any, corrective action was taken in response to the complaint. [WAC 173-401-615(1), 9/16/02]</p>
	WAC 173-400-040(8)(a), 7/11/02	S			
5.1.10	WAC 173-400-200(2), 8/20/93	F	No use of excess stack height or dispersion techniques shall be used to meet ambient air quality standards or PSD increments.	None specified.	No additional monitoring required.
	WAC 173-400-200(2), 7/11/02	S			
5.1.11	WAC 173-400-205, 8/20/93	F	No varying of emissions according to atmospheric conditions or ambient concentrations.	None specified.	No additional monitoring required.
	WAC 173-400-205, 7/11/02	S			

Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.12a	<p>WAC 173-425-010, WAC 173-425-020, WAC 173-425-030, WAC 173-425-036, WAC 173-425-055, WAC 173-425-065, WAC 173-425-075, WAC 173-425-085, WAC 173-425-095, WAC 173-425-100, WAC 173-425-115, WAC 173-425-120, WAC 173-425-130, WAC 173-425-140, 9/17/90; WAC 173-425-045, 1/3/89</p> <hr/> <p>RCW 70.94.650, 2003; RCW 70.94.750, 2003; RCW 70.94.775, 2003; Chapter 173-425 WAC, 3/13/00</p>	<p>F</p> <hr/> <p>S</p>	Open burning subject to restrictions.	None specified.	No additional monitoring required.
5.1.12b	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.11.1	F	No outdoor burning shall be performed at the site.		

5.2 Municipal Solid Waste Landfill. The following applicable requirements apply to the MUNICIPAL SOLID WASTE LANDFILL (including Trench 1 and the Northeast half of North Berm and the Landfill Gas Flare).

	Applicable Requirement (Municipal Solid Waste Landfill)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.1	40 CFR 60.7(a)(4), 7/1/03; 40 CFR 60.7(b), 7/1/03; 40 CFR 60.7(f), 7/1/03 WAC 173-400-115(2), 7/11/02	F <hr/> S	Notification and recordkeeping.	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the affected facility. Maintain a file of all measurements and performance testing measurements and all other information required by this part recorded in a permanent form suitable for inspection.	Permittee shall furnish written notification of any physical or operational change which may increase the emission rate of any air pollutant to which a standard applies to: Region X Director Air and Waste Management Division U.S. Environmental Protection Agency 1200 Sixth Avenue Seattle, Washington 98101 And, Section Manager Central Regional Air Quality Section Department of Ecology 15 West Yakima Avenue, Suite 200 Yakima, Washington 98902 [40 CFR 60.4(a), 7/1/03]
5.2.2	40 CFR 60.11(d), 7/1/03 WAC 173-400-115(2), 7/11/02	F <hr/> S	Maintain and operate any affected emission unit with good air pollution control practice for minimizing emissions.	None specified.	No additional monitoring required.
5.2.3	40 CFR 60.12, 7/1/03 WAC 173-400-115(2), 7/11/02	F <hr/> S	Circumvention.	None specified.	No additional monitoring required.

	Applicable Requirement (Municipal Solid Waste Landfill)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.4	40 CFR 60.752(b), 7/1/03; 40 CFR 60.754(a), 7/1/03; 40 CFR 60.757(b), 7/1/03; 40 CFR 60.4(a), 7/1/03 <hr/> WAC 173-400-115(2), 7/11/02 (Landfill NSPS Subpart WWW)	F <hr/> S	Calculate the NMOC emission rate for the landfill. If the calculated NMOC emission rate is less than 50 Mg/yr, the permittee shall recalculate the NMOC emission rate and submit emission reports to the Administrator until such time as the calculated NMOC emission rate is \geq 50 Mg/yr, or the landfill is closed.	Calculate the NMOC emission rate: $M_{NMOC} = \sum_{i=1}^n 2kL_oM_i(e^{-kt_i})(C_{NMOC})(3.6 \times 10^{-9})$ where, M_{NMOC} =Total NMOC emission rate from the landfill (Mg/yr) k =methane generation rate constant=0.05 yr ⁻¹ or as determined using Tier 3 per 40 CFR 60.754 (a)(4) L_o =methane generation potential=170 m ³ /Mg solid waste M_i =mass of solid waste in the i th section (Mg) t_i =age of the i th section (yr) C_{NMOC} =concentration of NMOC=978 ppm _v as hexane as measured by Tier 2 (9/11/96) until 9/11/01 or as determined using Tier 2 per 40 CFR 60.754(a)(3) 3.6x10 ⁻⁹ =conversion factor The mass of the nondegradable solid waste may be subtracted from the total mass of solid waste in a particular section of the landfill when calculating the value for M_i if properly documented. [40 CFR 60.754(a)(1)(i), 7/1/03]	The permittee shall submit an NMOC emission rate report to: Section Manager Central Regional Air Quality Section Department of Ecology 15 West Yakima Avenue, Suite 200 Yakima, Washington 98902 And, Region X Director Air and Waste Management Division U.S. Environmental Protection Agency 1200 Sixth Avenue Seattle, Washington 98101 (1) annually, OR (2) if the estimated NMOC emission rate as reported in the annual report is less than 50 Mg/yr in each of the next 5 consecutive years, the permittee may elect to submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual report. If option (2) is chosen, this estimate shall be revised at least once every 5 years. If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the 5-year estimate, a revised 5-year estimate shall be submitted to Ecology and EPA at the addresses given above. The revised estimate shall cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate. The NMOC emission rate report shall include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the 5 years for which an NMOC emission rate is estimated. The NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions. Ecology or EPA may request such additional information as may be necessary to verify the reported NMOC emission rate. [40 CFR 60.4(a), 7/1/03; 40 CFR 60.757(b), 7/1/03]

Applicable Requirement (Municipal Solid Waste Landfill)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.5	40 CFR 60.757(a)(3), 7/1/03; 40 CFR 60.4(a), 7/1/03 WAC 173-400-115(2), 7/11/02 (Landfill NSPS Subpart WWW)	F <hr/> S	An amended design capacity report shall be submitted to the Administrator providing notification of any increase in the design capacity of the landfill.	None specified.	If triggered the permittee shall submit an amended design capacity report to: Section Manager Central Regional Air Quality Section Department of Ecology 15 West Yakima Avenue, Suite 200 Yakima, Washington 98902 And, Region X Director Air and Waste Management Division U.S. Environmental Protection Agency 1200 Sixth Avenue Seattle, Washington 98101 [40 CFR 60.4(a), 7/1/03]
5.2.6	40 CFR 60.758(a), 7/1/03 WAC 173-400-115(2), 7/11/02 (Landfill NSPS Subpart WWW)	F <hr/> S	Keep for 5 years, up-to-date, readily accessible continuous records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate.	Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.	No additional monitoring required.
5.2.7	40 CFR 61.154(a), (c), (d), 7/1/03 WAC 173-400-075(1), 7/11/02 (Asbestos NESHA Subpart M)	F <hr/> S	In any active waste disposal site where asbestos-containing waste material has been deposited: (1) no visible emissions to the outside air; OR, (2) cover with ≥6 inches of compacted nonasbestos-containing material at the end of each operating day; OR, (3) cover with a chemical dust suppression agent (not to include any used, spent, or other waste oil) at the end of each operating day.	None specified.	No additional monitoring required.

Applicable Requirement (Municipal Solid Waste Landfill)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.8	40 CFR 61.154(b)	F	Areas of disposal of asbestos-containing waste material must: (1) have a natural barrier that adequately deters access by the general public; OR, (2) cover with ≥6 inches of compacted nonasbestos-containing material at the end of each operating day; OR, (3) install warning signs and fencing that meet the following: (a) display signs at all entrances and at intervals of ≤330 feet; AND, (b) signs posted such that legend is easily read; AND, (c) 20" x 14" upright format signs; AND, (d) sign legend, size, and style at least equal to (spacing between lines must be at least equal to the height of the upper text line):	None specified.	No additional monitoring required.
	WAC 173-400-075(1), 7/11/02	S			
	(Asbestos NESHA Subpart M)				
			Legend	Notation	
			Asbestos Waste Disposal Site.	1 inch Sans Serif, Gothic, or Block	
			Do Not Create Dust	¾ inch Sans Serif, Gothic, or Block	
			Breathing Asbestos is Hazardous to Your Health.	14 point Gothic	
			AND, (e) fenced in a manner adequate to deter access by the general public.		

	Applicable Requirement (Municipal Solid Waste Landfill)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.9	40 CFR 61.154(e) WAC 173-400-075(1), 7/11/02 (Asbestos NESHAP Subpart M)	F S	Maintain waste shipment records for all asbestos-containing waste material received.	None specified.	<p>Waste shipment records shall include: (1) name, address, and telephone number of the waste generator; AND, (2) name, address, and telephone number of the transporter(s); AND, (3) volume of waste; AND, (4) presence of improperly enclosed (leak-tight containers) or uncovered; AND, (5) date of waste receipt. Send a copy of the signed waste shipment record to the waste generator within 30 days of receipt of the waste.</p> <p>If significant amount of improperly enclosed or uncovered waste, report in writing (with copy of waste shipment record) to the asbestos NESHAP program Administrator for the waste generator (as indicated in the waste shipment record), Section Manager Central Regional Air Quality Section Department of Ecology 15 West Yakima Avenue, Suite 200 Yakima, Washington 98902 And, U.S. EPA Region 10 Administrator 1200 Sixth Avenue Seattle, Washington 98101 by the following working day.</p> <p>Submit reports (with copy of waste shipment record) of unreconciled waste quantity discrepancies within 15 days of waste receipt to Ecology and EPA, at the addresses listed above. [40 CFR 61.154(e)(1), (2), 7/1/03]</p>
5.2.10	40 CFR 61.154(f) WAC 173-400-075(1), 7/11/02 (Asbestos NESHAP Subpart M)	F S	Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal area on a map or diagram of the disposal area.	None specified.	No additional monitoring required.

Applicable Requirement (Municipal Solid Waste Landfill)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.11	40 CFR 61.154(i) WAC 173-400-075(1), 7/11/02 (Asbestos NESHAP Subpart M)	F S	Furnish upon request, and make available during normal business hours for inspection by the Ecology and EPA, all records required by the Asbestos NESHAP.	None specified.	No additional monitoring required.
5.2.12	40 CFR 61.154(j) WAC 173-400-075(1), 7/11/02 (Asbestos NESHAP Subpart M)	F S	Notify Ecology and EPA in writing at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material that has been deposited at the site and is covered.	None specified.	Notification shall include: (1) scheduled starting and completion dates; AND, (2) reason for disturbing waste; AND, (3) emission control procedures to be implemented; AND, (4) location of any temporary storage site and the final disposal site. [40 CFR 61.154(j), 7/1/03]
5.2.13	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.8.1	F	Permittee shall keep records of complaints as received from the public, Ecology, or any other entity.	None specified.	Complaints shall be promptly addressed and assessed. A records shall be maintained of permittee's action to investigate the validity of the complaint and what, if any, corrective action was taken in response to the complaint. Ecology shall be notified within three days of receipt of any complaint. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.8.1]

	Applicable Requirement (Municipal Solid Waste Landfill)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.14	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.9, 2.11.6	F	Source shall be properly operated and maintained in accordance with an up-to-date site-specific O&M Manual(s). Regular maintenance records shall be kept at the facility.	The O&M manual(s) shall at a minimum include: 1) Normal operating parameters for the emissions units. 2) A maintenance schedule for the emissions units. 3) Monitoring and record keeping requirements. 4) A description of the monitoring procedures. 5) Actions for abnormal control system operation, including but not limited to requirements for reporting to Ecology any breakdown or malfunction which results in the emission of raw landfill gas and for undertaking immediate remedial measures to correct the problem and prevent further emissions into the atmosphere [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.9]	The O&M manual(s) shall be kept on file. This file shall be reviewed at least annually with records kept of the date of and personnel who performed such review. [WAC 173-401-615(1), 8/15/01]

	Applicable Requirement (Municipal Solid Waste Landfill)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.15	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.10	F	Fugitive dust will be controlled in accordance with a FDCP.	A Fugitive Dust Control Plan shall be prepared using the guidelines in the document EPA-450/3-88-008. The Fugitive Dust Control Plan shall include, but not be limited to, the following: 1) Measures to ensure that there is no vehicle trackout onto off-site roads. 2) All disturbed surfaces shall be paved, graveled at sufficient intervals to prevent visible emissions, or revegetated. 3) All onsite roads shall be paved, graveled or surface treated to prevent visible emissions. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.10]	The FDCP shall be kept on file. This file shall be reviewed at least annually with records kept of the date of and personnel who performed such review. [WAC 173-401-615(1), 8/15/01]
5.2.16	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.11.4	F	Legible copies of NOC Order No. 00AQCR-1000, 4/21/00, the O&M Manual(s), and the FDCP shall be on-site in a location known by and available to persons in direct operation of the described equipment.	None specified.	No additional monitoring required.
5.2.17	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.11.5	F	Operation of equipment must be conducted in compliance with all data and specifications submitted as part of the Notice of Construction application unless otherwise approved by Ecology.	None specified.	The NOC Order No. 00AQCR-1000, 4/21/00, and the data and specifications submitted as part of the application, shall be kept on file. This file shall be reviewed at least annually with records kept of the date of and personnel who performed such review. [WAC 173-401-615(1), 8/15/01]

	Applicable Requirement (Municipal Solid Waste Landfill)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.18	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.8.1, 2.11.10	S	Odors emanating from the project shall be controlled to minimize odors.	None specified.	<p>Permittee shall keep records of complaints as received from the public, Ecology, or any other entity. Any complaints shall be promptly addressed and assessed. A record shall be maintained of permittee's action to investigate the validity of the complaint and what, if any, corrective action was taken in response to the complaint. Ecology shall be notified within three (3) days of receipt of any complaint. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.8.1]</p> <p>In the event that odor from the project is detected beyond the property boundary of the site, the permittee shall implement remedial measures to control odor and shall report in writing to Ecology on the measures taken and their effectiveness, within 180 days. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.11.10]</p>
5.2.19	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.7.3	F	All collected landfill gas shall be vented to the control system.	None specified.	Records shall be kept of all periods when the LFG collection and control system is inoperable, the gas mover system is shut down, or the valves in the collection and control system are closed. [WAC 173-401-615(1), 5/7/94]

	Applicable Requirement (Municipal Solid Waste Landfill)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.20	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.5.1, 2.6.3.4	F	Fugitive dust emissions ≤ 10 percent opacity.	EPA Method 9, 40 CFR 60, Appendix A. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.3.4.]	<p>1) The permittee shall conduct monthly visible emissions surveys of Trench 1 & the NE 1/2 of North Berm during daylight hours as follows: a) the survey shall be conducted from a location with a clear view of the emission unit and where the sun is not directly in the observer's eyes. The survey location shall be at least 15 feet but not more than 0.25 miles from the source; b) survey shall be conducted during operation; c) the observer will be educated in the general procedures for determining the presence of visible emissions (i.e. effects on the visibility of emissions caused by background contrast, position of the sun and amount of ambient lighting, and observer position relative to source and sun); d) the survey shall consist of a minimum 15-second visual observation of each emission unit to identify those emission units which exhibit visible emissions; e) in addition to the records required under condition 2.15, the observer shall record the wind direction, sky condition, sun location with respect to the source and the survey location, and the time duration of the survey.</p> <p>2) The permittee shall conduct EPA Method 9 testing of an emission unit when visible emissions, other than uncombined water, are observed during a survey or are otherwise observed by the permittee. Testing shall be conducted as follows: a) testing shall be initiated as soon as possible, but not later than 24 hours after the requirement to conduct such testing is triggered; b) all testing shall be performed during periods when the subject emissions unit is operating; c) testing shall consist of certified opacity readings at 15-second intervals over a minimum period of six consecutive minutes. If a violation is documented, appropriate and timely action shall be taken (as soon as possible, but within 24 hours) to identify and correct the problem causing the opacity. The required recordkeeping shall include the name of the person recording the information, the name(s) of the person(s) taking the corrective action, and the nature, time, date, and effectiveness of any corrective action taken in response to a violation. [WAC 173-401-615(1), 8/15/01]</p>

	Applicable Requirement (Municipal Solid Waste Landfill)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.21	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.1, 2.6.2, 2.7.1, 2.8.3	F	Surface concentrations of methane shall be monitored quarterly along the entire perimeter of the final cover area and along a pattern that traverses the landfill cover. If any reading > 500 ppm methane is obtained, retest within 10 days and again within one month of original reading. If either retesting obtains a result > 500 ppm methane, the active gas collection system shall be altered or expanded to provide additional collection.	<p>Surface emission monitoring shall be performed in accordance with 40 CFR 60, Appendix A, Method 21, Section 4.3.1, except that the probe inlet shall be placed within five to ten centimeters of the ground. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.2]</p> <p>Monitor at 30 meter intervals using an organic vapor analyzer, flame ionization detector, or other portable monitor that meets the instrument specifications provided in 40 CFR 60, Appendix A, Method 21, Section 3, except that "methane" shall replace all references to VOC and the calibration gas shall be methane, diluted to a nominal concentration of 500 ppm in air. 40 CFR 60, Appendix A, Method 21, Section 4.4 shall be used to meet the performance evaluation requirements in Section 3.1.3. The calibration procedures provided in 40 CFR 60, Method 21, Section 4.2 shall be followed immediately before commencing a surface monitoring survey. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.1.1, 2.6.1.2, 2.6.1.3, 2.6.1.4]</p>	Within 30 days of conducting any testing the permittee shall submit a written report of the results to Ecology. The report shall include, but not be limited to, a summary section that reports the number of readings over 500 ppm methane for the just concluded testing and for the life of the project and the permittee's proposed response to the readings. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.8.3]

	Applicable Requirement (Municipal Solid Waste Landfill)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.22	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.7.2	F	Active gas collection must be operated to avoid excess air infiltration, which creates a fire hazard. No fires in landfill.		The O&M Manual shall include temperature, oxygen and nitrogen monitoring of wells to detect excess air infiltration and immediate response to abnormal readings. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.7.2] Records shall be kept of all well monitoring of an active gas collection system. [WAC 173-401-615(1), 8/15/01]

5.3 Landfill Gas Flare. The following applicable requirements apply to the LANDFILL GAS FLARE.

	Applicable Requirement (Landfill Gas Flare)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.1	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.3.1, 2.3.2, 2.3.3	F	PM, CO, & NO _x emissions shall be controlled by flare design and proper O&M.	None specified.	Comply with Condition 5.2.14. [WAC 173-401-615(1), 8/15/01] Control shall include maintenance of landfill cap vegetation and routine inspections and maintenance specified by LTI and included in the 6/22/01 O&M Manual. [6/22/01 O&M Manual & 6/22/01 FDCP submitted per Proposed Decision Regarding NOC Order No. 00AQCR-1000, 4/21/00, Conditions 2.3.1, 2.3.2, 2.3.3]
5.3.2	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.3.1	F	LFG shall be treated by a knockout vessel prior to being combusted in the enclosed flare.	None specified.	No additional monitoring required.

Applicable Requirement (Landfill Gas Flare)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.3	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.3.2, 2.5.3, 2.6.3	F	Enclosed flare CO emissions not to exceed 0.1 lb/MMBtu.	An independent testing firm shall conduct 40 CFR 60 Appendix A, RM 10 (exhaust only). Sampling ports and platforms must be provided. Adequate permanent and safe access to the test ports must be provided. All source testing shall consist of 3 separate runs. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.3.1, 2.6.3.3, 2.6.3.4]	Test plans shall be submitted to Ecology at least 30 days prior to any source testing. Within 30 days of conducting any testing the permittee shall submit a written report of the results to Ecology. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.3.2, 2.8.3]
5.3.4	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.3.5, 2.5.3, 2.6.3	F	Enclosed flare SO ₂ emissions not to exceed 0.011 lb/MMBtu.	An independent testing firm shall conduct 40 CFR 60 Appendix A, RM 6 (exhaust only). Sampling ports and platforms must be provided. Adequate permanent and safe access to the test ports must be provided. All source testing shall consist of 3 separate runs. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.3.1, 2.6.3.3, 2.6.3.4]	Test plans shall be submitted to Ecology at least 30 days prior to any source testing. Within 30 days of conducting any testing the permittee shall submit a written report of the results to Ecology. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.3.2, 2.8.3]
5.3.5	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.3.3, 2.5.4, 2.6.3	F	Enclosed flare NO _x emissions not to exceed 0.06 lb/MMBtu.	An independent testing firm shall conduct 40 CFR 60 Appendix A, RM 7E (exhaust only). Sampling ports and platforms must be provided. Adequate permanent and safe access to the test ports must be provided. All source testing shall consist of 3 separate runs. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.3.1, 2.6.3.3, 2.6.3.4]	Test plans shall be submitted to Ecology at least 30 days prior to any source testing. Within 30 days of conducting any testing the permittee shall submit a written report of the results to Ecology. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.3.2, 2.8.3]

Applicable Requirement (Landfill Gas Flare)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.6	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.3.4, 2.4.1, 2.4.2	F	VOC, H ₂ S and other sulfur compounds, & organic TAP emissions shall be controlled by continuous operation of an active gas collection system.	An active gas collection system shall meet the gas collection system requirements of Title 40 Part 60 <u>Code of Federal Regulations</u> , Subpart WWW. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.3.4]	Keep records of the date of installation and the location of each well or collection system expansion added. [WAC 173-401-615(1), 9/16/02]
5.3.7	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition, 2.5.7, 2.7.4, 2.7.7.1, 2.7.7.6, 2.11.2, 2.11.9	F	Flare capacity shall not exceed 2000 scfm and 60.5 MMBtu/hr. Additional flare(s) construction must be commenced within eighteen (18) months and completed within a reasonable time.	None specified.	Install a device that records flow to, or bypass of, the enclosed flare. Monitor LFG flow rate with a flow indicator & recorder, which must operate continuously ^{1 2} . Notify Ecology at least 10 days prior to initial startup of each flare. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.7.4, 2.7.7.1, 2.11.2]
5.3.8	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.7.5, 2.7.7.2, 2.7.7.6	F	An interlock or some other failsafe device shall prevent LFG from entering the flare if the temperature in the combustion chamber is < 1500 °F, except during the first 15 minutes following startup of the flare.	None specified.	The flare shall be equipped with a temperature indicator & recorder which measures and records the gas temperature in the flare stack. This temperature indicator and recorder must operate continuously ^{1 2} . The temperature indicator shall be located above the flame zone, at least three feet below the top of the flare shroud and at least 0.6 seconds downstream of the burner. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.7.7.2]

¹ Continuously shall mean 95% of the monthly enclosed flare operation, except for periods of monitoring system down-time, provided that the permittee demonstrates that the down time was not a result of inadequate design, operation, maintenance, or any other reasonably preventable condition, and any necessary repairs to the monitoring system were conducted in a timely manner. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.7.7.6]

² All recording devices must be synchronized based on the time of the day. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.7.7.5]

Applicable Requirement (Landfill Gas Flare)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.9	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.7.6	F	Flare shall be equipped with a LFG shut-off safety system, which in the event of emergency, automatically isolates the flare from the LFG supply line, shuts off the blower, and triggers a failure alarm to notify a responsible party of the shutdown.	None specified.	The safety system shall be tested monthly to ensure it is working properly and the results recorded. Tests may be conducted electronically, without an actual flare shutdown. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.7.6]
5.3.10	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.7.7.3, 2.7.7.6	F	A pressure differential indicator must be continuously ¹ maintained across the flame arrester.	None specified.	No additional monitoring required.
5.3.11	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.7.7.4	F	Monthly readings of BTU content of the gas at the inlet of the flare shall be taken.	Calculate the BTUs as follows: $BTU_{LFG}/scf = (\%CH_4) \times (101200)$.	Measure percentage of methane ($\%CH_4$) in the LFG and calculate BTUs. [WAC 173-401-615(1), 5/7/94]
5.3.12	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.7.7.5	F	All recording devices must be synchronized based on the time of the day.	None specified.	No additional monitoring required.
5.3.13	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.3.4, 2.4.2, 2.5.6, 2.7.7.2	F	Flare shall be operated at a temperature ≥ 1500 °F with a retention time ≥ 0.6 seconds.	None specified.	The flare shall be equipped with a temperature indicator & recorder which measures and records the gas temperature in the flare stack. This temperature indicator and recorder must operate continuously ^{1,2} . The temperature indicator shall be located above the flame zone, at least three feet below the top of the flare shroud and at least 0.6 seconds downstream of the burner. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.7.7.2]

	Applicable Requirement (Landfill Gas Flare)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.14	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.3.4, 2.4.2, 2.5.6, 2.6.3	F	NMOC & organic TAP destruction efficiency \geq 99%.	An independent testing firm shall conduct 40 CFR 60 Appendix A, RM 25A (as hexane) for NMOC, TO-14 for TAP. Sampling ports and platforms must be provided. Adequate permanent and safe access to the test ports must be provided. All source testing shall consist of 3 separate runs. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.3.1, 2.6.3.3, 2.6.3.4]	Test plans shall be submitted to Ecology at least 30 days prior to any source testing. Within 30 days of conducting any testing the permittee shall submit a written report of the results to Ecology. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.3.2, 2.8.3]
5.3.15	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.4.1, 2.5.6, 2.6.3	F	H ₂ S & other sulfur compounds shall undergo \geq 99% conversion to SO ₂ .	An independent testing firm shall conduct 40 CFR 60 Appendix A, RM 16 for H ₂ S and other speciated sulfur compounds and RM 6 (exhaust only) for SO ₂ . Sampling ports and platforms must be provided. Adequate permanent and safe access to the test ports must be provided. All source testing shall consist of 3 separate runs. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.3.1, 2.6.3.3, 2.6.3.4]	Test plans shall be submitted to Ecology at least 30 days prior to any source testing. Within 30 days of conducting any testing the permittee shall submit a written report of the results to Ecology. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.3.2, 2.8.3]

	Applicable Requirement (Landfill Gas Flare)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.16	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.3	F	Source tests shall be performed within 180 days of the first operation of any enclosed LFG flare & then at intervals \leq five years for the life of the unit. Source tests shall include a test for: velocity & flowrate, moisture, BTU content (inlet only), O ₂ , CO ₂ , NO _x (exhaust only), CO (exhaust only), SO ₂ (exhaust only), total PM (exhaust only), NMOC, methane, speciated organic TAPs, HCl, H ₂ S and other speciated sulfur compounds, and opacity.	Methods as indicated in other applicable requirements. 40 CFR 60, Appendix A, RM 2C for velocity and flowrate; RM 4 for moisture; RM TO-14 (inlet only), for BTU content; RM3A for O ₂ and CO ₂ ; RM 5 (exhaust only) & 40 CFR 51 RM 202 (exhaust only) for total PM; RM 25A (as methane) for methane; and RM 26 for HCl. Sampling ports and platforms must be provided. Adequate permanent and safe access to the test ports must be provided. All source testing shall consist of 3 separate runs. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.3.1, 2.6.3.3, 2.6.3.4]	Test plans shall be submitted to Ecology at least 30 days prior to any source testing Within 30 days of conducting any testing the permittee shall submit a written report of the results to Ecology. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.3.2, 2.8.3]

	Applicable Requirement (Landfill Gas Flare)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.17	NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.5.2, 2.6.3.1, 2.6.3.2, 2.6.3.3, 2.6.3.4	F	Flare emissions \leq zero percent opacity.	An independent testing firm shall conduct 40 CFR 60 Appendix A, RM 9. Test plans shall be submitted to Ecology at least 30 days prior to any source testing. Sampling ports and platforms must be provided. Adequate permanent and safe access to the test ports must be provided. All source testing shall consist of 3 separate runs. [NOC Order No. 00AQCR-1000 2nd Revision, 4/13/06, Condition 2.6.3.1, 2.6.3.2, 2.6.3.3, 2.6.3.4]	<p>1) The permittee shall conduct monthly visible emissions surveys of each flare during daylight hours as follows: a) the survey shall be conducted from a location with a clear view of the emission unit and where the sun is not directly in the observer's eyes. The survey location shall be at least 15 feet but not more than 0.25 miles from the source; b) survey shall be conducted during operation; c) the observer will be educated in the general procedures for determining the presence of visible emissions (i.e. effects on the visibility of emissions caused by background contrast, position of the sun and amount of ambient lighting, and observer position relative to source and sun); d) the survey shall consist of a minimum 15-second visual observation of each emission unit to identify those emission units which exhibit visible emissions; e) in addition to the records required under condition 2.15, the observer shall record the wind direction, sky condition, sun location with respect to the source and the survey location, and the time duration of the survey.</p> <p>2) The permittee shall conduct EPA Method 9 testing of an emission unit when visible emissions, other than uncombined water, are observed during a survey or are otherwise observed by the permittee. Testing shall be conducted as follows: a) testing shall be initiated as soon as possible, but not later than 24 hours after the requirement to conduct such testing is triggered; b) all testing shall be performed during periods when the subject emissions unit is operating; c) testing shall consist of certified opacity readings at 15-second intervals over a minimum period of six consecutive minutes. If a violation is documented, appropriate and timely action shall be taken (as soon as possible, but within 24 hours) to identify and correct the problem causing the opacity. The required recordkeeping shall include the name of the person recording the information, the name(s) of the person(s) taking the corrective action, and the nature, time, date, and effectiveness of any corrective action taken in response to a violation. [WAC 173-401-615(1), 8/15/01]</p>

6.0 INAPPLICABLE REQUIREMENTS

The permittee did not request that any requirements be deemed inapplicable.